

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Table Notes

Data on utilization are derived by dividing the data on electricity production shown in Table 32 by the net installed capacity shown in Table 30, and then by the total number of hours in a year to yield a percentage of theoretical maximal utilization.

For this table, Other under total refers to geothermal, tide, wave, marine and other non-specified sources. Other under autoproducers refers to nuclear (if any), wind, solar, tide, wave, marine and other non-specified sources. Other under main activity producers refers to wind, solar, tide, wave, marine and other non-specified sources.

For Austria data are given in gross maximum capacity.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description /classification.

Figure 74: Utilization of installed electric generating capacity, by region, 2012

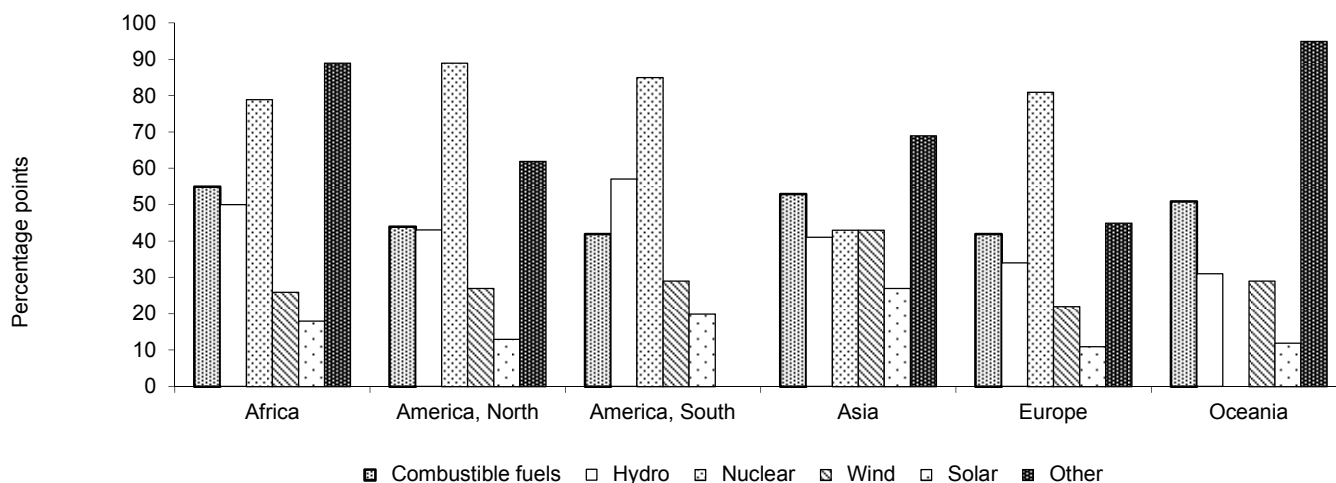


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Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
World	2009	48	47	39	81	24	10	69
	2010	48	48	40	82	25	16	70
	2011	48	49	40	77	27	13	65
	2012	48	49	42	74	27	14	60
Africa	2009	53	54	47	77	25	10	90
	2010	55	56	51	73	32	14	85
	2011	55	55	50	82	30	24	87
	2012	55	55	50	79	26	18	89
Algeria	2009	39	39	13	..	..	..	..
	2010	46	47	7	..	..	..	..
	2011	51	51	21	..	..	..	..
	2012	50	51	24	..	..	..	..
Angola	2009	47	29	71	..	..	..	..
	2010	43	30	54	..	..	..	..
	2011	42	24	60	..	..	..	..
	2012	42	24	60	..	..	..	..
Benin	2009	8	8	..	..	..	..	..
	2010	10	10	..	..	..	..	..
	2011	10	10	..	..	..	..	..
	2012	11	11	..	..	..	..	..
Botswana	2009	47	47	..	..	..	..	..
	2010	40	40	..	..	..	..	..
	2011	33	33	..	..	..	..	..
	2012	19	19	..	..	..	..	..
Burkina Faso	2009	32	30	47	..	..	..	..
	2010	27	25	42	..	..	..	..
	2011	23	22	29	..	..	..	..
	2012	24	23	34	..	..	..	..
Burundi	2009	43	23	43	..	..	..	..
	2010	50	23	51	..	..	..	..
	2011	50	23	50	..	..	..	..
	2012	50	23	51	..	..	..	..
Cabo Verde	2009	39	39	..	..	25	..	..
	2010	39	42	..	..	11	3	..
	2011	38	39	..	..	85	14	..
	2012	27	28	..	..	27	11	..
Cameroon	2009	65	67	64	..	..	..	..
	2010	67	65	68	..	..	..	..
	2011	68	63	70	..	..	..	..
	2012	70	64	72	..	..	..	..
Central African Rep.	2009	42	14	62	..	..	..	..
	2010	42	15	62	..	..	..	..
	2011	45	16	67	..	..	..	..
	2012	46	16	68	..	..	..	..
Chad	2009	51	51	..	..	..	..	..
	2010	56	56	..	..	..	..	..
	2011	61	61	..	..	..	..	..
	2012	57	57	..	..	..	..	..
Comoros	2009	22	21	57	..	..	..	..
	2010	22	21	57	..	..	..	..
	2011	22	21	57
	2012	22	21	57
Congo	2009	42	82	32
	2010	50	68	41
	2011	48	64	41
	2012	49	66	43

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Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
41	42	42	18	48	48	39	81	26
43	44	38	17	49	48	40	82	26
44	46	42	15	48	49	40	77	26
44	46	42	15	48	49	42	74	25
33	35	12	0	55	56	48	77	35
36	38	18	0	57	58	52	73	37
40	42	18	0	56	56	51	82	37
44	46	18	65	55	56	51	79	33
11	11	..	..	40	40	13	..	..
21	21	..	..	47	48	7	..	..
59	59	..	..	50	51	21	..	..
83	83	..	..	49	49	24	..	..
28	28	..	..	49	29	71	..	..
30	30	..	..	45	30	54	..	..
29	29	..	..	43	24	60	..	..
28	28	..	..	43	23	60	..	..
23	23	..	..	8	8	..	..	..
39	39	..	..	8	9	..	..	..
40	40	..	..	9	9	..	..	..
41	41	..	..	9	9	..	..	..
..	..	..	..	54	54	..	..	..
..	..	..	..	46	46	..	..	..
..	..	..	..	38	38	..	..	..
..	..	..	..	21	22	..	..	..
..	..	..	..	32	30	47	..	..
..	..	..	..	27	25	42	..	..
16	16	..	..	25	24	29	..	..
28	28	..	..	23	21	34	..	..
..	..	..	..	43	23	43	..	..
..	..	..	..	50	23	51	..	..
..	..	..	..	50	23	50	..	..
..	..	..	..	50	23	51	..	..
11	11	..	..	39	40	..	..	25
11	11	..	..	39	42	..	..	5
..	..	..	..	38	39	..	..	29
..	..	..	..	27	28	..	..	23
65	65	..	..	64	71	64	..	..
66	66	..	..	67	60	68	..	..
65	65	..	..	69	57	70	..	..
65	65	..	..	71	60	72	..	..
..	..	..	..	42	14	62	..	..
..	..	..	..	42	15	62	..	..
..	..	..	..	45	16	67	..	..
..	..	..	..	46	16	68	..	..
..	..	..	..	51	51	..	..	..
..	56	56
..	61	61
..	57	57
..	22	21	57
..	22	21	57
..	22	21	57
..	22	21	57
..	42	82	32
..	50	68	41
..	48	64	41
..	49	66	43

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Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Côte d'Ivoire	2009	43	66	27	..	..	..	..
	2010	43	74	21	..	..	..	..
	2011	43	68	23	..	..	..	..
	2012	49	80	23	..	..	..	..
Dem. Rep. of the Congo	2009	36	12	36	..	..	..	..
	2010	36	12	36	..	..	..	..
	2011	36	12	36	..	..	..	..
	2012	36	12	37	..	..	..	..
Djibouti	2009	31	31	..	..	..	..	..
	2010	33	33	..	..	..	..	..
	2011	34	34	..	..	..	..	..
	2012	35	35	..	..	..	..	..
Egypt	2009	64	66	52	..	26	..	..
	2010	62	64	53	..	31	17	..
	2011	61	64	49	..	29	36	..
	2012	60	61	53	..	26	19	..
Equatorial Guinea	2009	28	29	20	..	..	..	..
	2010	28	29	20	..	..	..	..
	2011	27	28	20	..	..	..	..
	2012	27	28	20	..	..	..	..
Eritrea	2009	24	24	..	..	..	23	..
	2010	25	25	..	..	..	23	..
	2011	27	28	..	..	..	23	..
	2012	29	29	..	..	..	23	..
Ethiopia	2009	22	27	22	..	..	..	39
	2010	28	2	30	..	..	..	29
	2011	35	2	39	..	..	..	13
	2012	37	2	41	..	22	..	26
Gabon	2009	48	39	63	..	..	..	..
	2010	51	45	61	..	..	..	..
	2011	53	52	56	..	..	..	..
	2012	54	50	61	..	..	..	..
Gambia	2009	45	45	..	..	..	..	..
	2010	38	38	..	..	..	..	..
	2011	39	39	..	..	..	..	..
	2012	41	41	..	..	..	..	..
Ghana	2009	52	30	67	..	..	..	..
	2010	53	36	68	..	..	..	..
	2011	55	36	73	..	..	..	..
	2012	56	36	78	..	..	..	..
Guinea	2009	26	19	40	..	..	..	..
	2010	25	19	37	..	..	..	..
	2011	23	18	32	..	..	..	..
	2012	23	18	32	..	..	..	..
Guinea-Bissau	2009	13	13	..	..	..	..	..
	2010	13	13	..	..	..	..	..
	2011	14	14	..	..	..	..	..
	2012	14	14	..	..	..	..	..
Kenya	2009	46	48	34	..	..	..	93
	2010	46	32	51	..	..	..	87
	2011	50	38	54	..	34	..	90
	2012	50	30	64	..	34	..	91
Lesotho	2009	76	..	76
	2010	81	..	81
	2011	78	..	78
	2012	66	..	66

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Total	Autoproducers			Main activity producers				
	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
37	37	..	..	44	67	27	..	..
40	40	..	..	43	75	21	..	..
32	32	..	..	43	69	23	..	..
34	34	..	..	49	82	23	..	..
6	83	6	..	45	2	46	..	..
7	83	6	..	45	2	45	..	..
7	83	6	..	45	2	45	..	..
7	83	7	..	45	2	46	..	..
..	..	..	..	31	31	..	..	..
..	..	..	..	33	33	..	..	..
..	..	..	..	34	34	..	..	..
..	..	..	..	35	35	..	..	..
62	62	..	..	64	67	52	..	26
62	62	..	..	62	64	53	..	28
63	63	..	..	61	64	49	..	31
90	90	..	..	59	60	53	..	25
..	..	..	..	28	29	20	..	..
..	..	..	..	28	29	20	..	..
..	..	..	..	27	28	20	..	..
..	..	..	..	27	28	20	..	..
19	19	..	..	24	24	..	..	23
21	21	..	..	26	26	..	..	23
21	21	..	..	28	28	..	..	23
21	21	..	..	30	30	..	..	23
..	..	..	..	22	27	22	..	39
..	..	..	..	28	2	30	..	29
..	..	..	..	35	2	39	..	13
..	..	..	..	37	2	41	..	23
35	35	..	..	51	40	63	..	..
37	37	..	..	54	48	61	..	..
38	38	..	..	56	56	56	..	..
38	38	..	..	57	54	61	..	..
9	9	..	..	87	87	..	..	..
10	10	..	..	62	62	..	..	..
10	10	..	..	65	65	..	..	..
10	10	..	..	67	67	..	..	..
0	0	..	..	59	42	67	..	..
8	8	..	..	58	44	68	..	..
9	9	..	..	59	42	73	..	..
10	10	..	..	60	41	78	..	..
22	25	..	..	30	12	47	..	..
22	25	..	..	28	11	43	..	..
22	25	..	..	24	11	37	..	..
22	25	..	..	24	11	37	..	..
38	38	..	..	11	11	..	..	..
40	40	..	..	11	11	..	..	..
43	43	..	..	12	12	..	..	..
45	45	..	..	12	12	..	..	..
45	45	46	50	34	..	93
21	21	51	38	51	..	87
13	12	57	50	54	..	88
13	12	57	39	64	..	90
..	76	..	76
..	81	..	81
..	78	..	78
..	66	..	66

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Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Liberia	2009	37	37	..	..	..	..	..
	2010	37	37	..	..	..	..	..
	2011	38	38	..	..	..	..	..
	2012	38	38	..	..	..	..	..
Libya	2009	52	52	..	..	..	..	..
	2010	53	53	..	..	..	..	..
	2011	35	35	..	..	..	..	..
	2012	44	44	..	..	..	..	..
Madagascar	2009	34	22	57	..	..	10	..
	2010	31	20	63	..	..	10	..
	2011	32	22	62	..	..	10	..
	2012	34	23	67	..	..	10	..
Malawi	2009	44	10	69	..	..	..	..
	2010	46	10	72	..	..	..	..
	2011	45	10	71	..	..	..	..
	2012	38	10	58	..	..	..	..
Mali	2009	34	37	31	..	..	..	..
	2010	37	41	32	..	..	..	..
	2011	37	41	32	..	..	..	..
	2012	37	42	32	..	..	..	..
Mauritania	2009	45	45	..	..	..	..	..
	2010	42	42	..	..	..	..	..
	2011	43	43	..	..	..	..	..
	2012	48	48	..	..	..	..	..
Mauritius	2009	40	41	24	..	13	..	..
	2010	41	43	19	..	22	..	..
	2011	42	45	11	..	25	..	..
	2012	41	43	14	..	32	7	..
Morocco	2009	37	45	19	..	20	..	..
	2010	39	45	23	..	34	..	..
	2011	41	52	14	..	32	..	..
	2012	43	55	12	..	33	..	..
Mozambique	2009	80	1	89	..	..	..	..
	2010	77	1	85	..	..	..	..
	2011	78	1	86	..	..	..	..
	2012	70	1	77	..	..	..	..
Namibia	2009	43	39	44	..	..	..	..
	2010	36	28	38	..	..	..	..
	2011	47	1	73	..	..	..	..
	2012	35	5	49	..	..	..	..
Niger	2009	21	22	..	..	..	0	..
	2010	25	25	..	..	..	0	..
	2011	25	25	..	..	..	0	..
	2012	36	36	..	..	..	0	..
Nigeria	2009	26	26	27	..	..	..	..
	2010	35	35	38	..	..	..	..
	2011	35	35	35	..	..	..	..
	2012	37	38	33	..	..	..	..
Réunion	2009	46	50	50	..	11	6	..
	2010	43	50	46	..	13	10	..
	2011	41	53	31	..	9	13	..
	2012	37	43	42	..	14	14	..
Rwanda	2009	38	52	27	18	..
	2010	38	59	25	14	..
	2011	44	69	30	14	..
	2012	45	67	33	11	..

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Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
33	33	..	..	71	71	..	..	..
33	33	..	..	71	71	..	..	..
33	33	..	..	54	54	..	..	..
33	33	..	..	54	54	..	..	..
..	..	..	..	52	52	..	..	..
..	..	..	..	53	53	..	..	..
..	..	..	..	35	35	..	..	..
..	..	..	..	44	44	..	..	..
61	61	..	..	32	17	57	..	10
61	61	..	..	29	16	63	..	10
61	61	..	..	30	19	62	..	10
61	61	..	..	32	20	67	..	10
10	10	9	..	70	52	70	..	..
10	10	9	..	73	52	73	..	..
10	10	11	..	72	52	72	..	..
10	10	11	..	59	52	59	..	..
9	9	..	..	38	46	31	..	..
9	9	..	..	40	51	32	..	..
9	9	..	..	41	51	32	..	..
9	9	..	..	41	52	32	..	..
45	45	..	..	45	45	..	..	..
49	49	..	..	39	39	..	..	..
50	50	..	..	39	39	..	..	..
53	53	..	..	45	45	..	..	..
58	58	..	..	28	28	24	..	13
61	61	..	..	28	30	19	..	22
63	63	..	..	29	31	11	..	25
69	69	..	7	26	27	14	..	32
4	4	..	..	39	48	19	..	20
5	5	..	..	41	48	23	..	34
7	7	..	..	43	56	14	..	32
5	5	..	..	45	58	12	..	33
..	..	..	..	80	1	89	..	..
82	..	82	..	77	1	85	..	..
79	..	79	..	77	1	86	..	..
60	..	60	..	70	1	78	..	..
..	..	..	..	43	39	44	..	..
..	..	..	..	36	28	38	..	..
..	..	..	..	47	1	73	..	..
..	..	..	..	35	5	49	..	..
8	8	..	0	25	25	..	..	..
8	9	..	0	29	29	..	..	..
8	9	..	0	30	30	..	..	..
8	9	..	0	43	43	..	..	..
28	28	26	..	25	25	27	..	..
39	39	37	..	34	33	38	..	..
37	38	34	..	34	33	35	..	..
40	40	33	..	36	37	33	..	..
..	46	50	50	..	7
..	43	50	46	..	10
..	41	53	31	..	12
..	37	43	42	..	14
..	38	52	27	..	18
..	38	59	25	..	14
..	44	69	30	..	14
..	45	67	33	..	11

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Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Sao Tome and Principe	2009	42	43	35	..	..	..	..
	2010	46	50	24	..	..	..	..
	2011	37	39	30	..	..	..	..
	2012	42	43	35	..	..	..	..
Senegal	2009	44	45	..	..	..	0	..
	2010	44	44	..	..	..	..	..
	2011	35	35	..	..	..	..	..
	2012	39	39	..	..	..	..	..
Seychelles	2009	35	35	..	..	..	..	..
	2010	38	38	..	..	..	..	..
	2011	41	41	..	..	..	..	..
	2012	43	43	..	..	..	..	..
Sierra Leone	2009	20	19	20	..	..	..	..
	2010	25	9	34	..	..	..	..
	2011	26	10	35	..	..	..	..
	2012	27	26	27	..	..	..	..
Somalia	2009	47	47	..	..	..	..	..
	2010	47	47	..	..	..	..	..
	2011	47	47	..	..	..	..	..
	2012	48	48	..	..	..	..	..
South Africa	2009	64	63	66	77	57	40	..
	2010	66	66	81	73	69	13	..
	2011	67	66	80	82	69	13	..
	2012	66	65	78	79	69	44	..
St. Helena and Depend.	2009	19	19	..	..	15	..	..
	2010	19	20	..	..	15	..	..
	2011	20	21	..	..	14	..	..
	2012	20	21	..	..	14	..	..
Sudan	2009	33	52	24	..	..	..	..
	2010	37	19	46	..	..	..	..
	2011	35	20	46	..	..	..	..
	2012	40	28	48	..	..	..	..
Swaziland	2009	39	35	44	..	..	..	..
	2010	42	35	51	..	..	..	..
	2011	47	39	59	..	..	..	..
	2012	43	40	48	..	..	..	..
Togo	2009	20	27	19	..	..	..	..
	2010	24	55	16	..	..	..	..
	2011	17	14	18	..	..	..	..
	2012	15	14	15	..	..	..	..
Tunisia	2009	51	52	15	..	21	..	..
	2010	52	53	9	..	30	23	..
	2011	47	48	10	..	23	16	..
	2012	50	52	20	..	13	12	..
Uganda	2009	50	63	43	..	..	..	..
	2010	51	52	51	..	..	..	..
	2011	51	75	44	..	..	..	..
	2012	49	73	42	..	..	..	..
United Rep. of Tanzania	2009	54	54	54	..	..	..	..
	2010	53	54	53	..	..	..	..
	2011	54	72	37
	2012	60	86	34
Zambia	2009	67	4	70
	2010	66	4	69
	2011	65	6	68
	2012	67	5	70

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Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
..	..	..	..	42	43	35	..	..
..	..	..	..	46	50	24	..	..
..	..	..	..	37	39	30	..	..
..	..	..	..	42	43	35	..	..
42	43	..	0	45	45	..	..	..
48	48	..	..	42	42	..	..	..
40	40	..	..	32	32	..	..	..
47	47	..	..	33	33	..	..	..
..	..	..	..	35	35	..	..	..
..	..	..	..	38	38	..	..	..
..	..	..	..	41	41	..	..	..
..	..	..	..	43	43	..	..	..
..	..	..	..	20	19	20	..	..
..	..	..	..	25	9	34	..	..
..	..	..	..	26	10	35	..	..
..	..	..	..	27	26	27	..	..
..	..	..	..	47	47	..	..	..
..	..	..	..	47	47	..	..	..
..	..	..	..	47	47	..	..	..
..	..	..	..	48	48	..	..	..
47	48	40	..	64	64	68	77	53
47	47	49	..	67	67	83	73	55
61	61	49	..	67	66	82	82	55
58	59	47	..	66	65	79	79	58
..	..	..	..	19	19	..	..	15
..	..	..	..	19	20	..	..	15
..	..	..	..	20	21	..	..	14
..	..	..	..	20	21	..	..	14
..	..	..	..	33	52	24	..	..
..	..	..	..	37	19	46	..	..
..	..	..	..	35	20	46	..	..
..	..	..	..	40	28	48	..	..
37	39	..	..	41	1	47	..	..
37	39	..	..	47	0	55	..	..
41	43	..	..	55	0	63	..	..
42	43	..	..	46	9	52	..	..
38	38	..	..	20	24	19	..	..
38	38	..	..	24	58	16	..	..
42	42	..	..	16	8	18	..	..
42	42	..	..	14	8	15	..	..
20	20	..	..	56	57	15	..	21
23	23	..	..	56	58	9	..	30
16	16	..	..	51	52	10	..	23
14	14	..	..	55	58	20	..	13
28	24	32	..	51	67	44	..	..
34	19	59	..	52	55	50	..	..
36	20	63	..	52	82	43	..	..
37	21	64	..	50	79	42	..	..
0	0	..	..	55	56	54	..	..
0	0	54	56	53
0	0	55	75	37
7	0	61	89	34
49	7	58	..	67	4	70
54	7	63	..	67	4	69
54	7	64	..	66	6	68
56	7	66	..	68	5	70

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Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Zimbabwe	2009	40	15	83	..	..	..	..
	2010	47	24	87	..	..	..	..
	2011	49	33	78	..	..	..	..
	2012	49	31	81	..	..	..	..
America, North	2009	47	44	42	92	24	14	75
	2010	48	45	41	93	27	13	76
	2011	48	44	46	91	29	12	81
	2012	47	44	43	89	27	13	62
Anguilla	2009	37	37	..	..	..	..	..
	2010	40	40	..	..	..	..	..
	2011	39	39	..	..	..	..	..
	2012	36	36	..	..	..	..	..
Antigua and Barbuda	2009	68	68	..	..	..	..	..
	2010	68	68	..	..	..	..	..
	2011	44	44	..	..	..	..	..
	2012	44	44	..	..	..	..	..
Aruba	2009	45	45	..	..	..	..	..
	2010	33	33	..	..	41	..	..
	2011	33	32	..	..	43	..	..
	2012	33	31	..	..	52	..	..
Bahamas	2009	34	34	..	..	..	..	..
	2010	35	35	..	..	..	..	..
	2011	34	34	..	..	..	..	..
	2012	39	39	..	..	..	..	..
Barbados	2009	54	54	..	..	..	..	..
	2010	44	44	..	..	..	..	..
	2011	48	48	..	..	..	..	..
	2012	52	52	..	..	..	..	..
Belize	2009	21	8	47	..	..	..	..
	2010	33	19	57	..	..	..	..
	2011	30	18	53	..	..	..	..
	2012	32	18	55	..	..	..	..
Bermuda	2009	50	50	..	..	..	..	..
	2010	50	50	..	..	..	..	..
	2011	49	49	..	..	..	..	..
	2012	46	46	..	..	..	..	..
British Virgin Islands	2009	32	32	..	..	..	..	..
	2010	33	33	..	..	..	..	..
	2011	34	34	..	..	..	..	..
	2012	33	34	..	..	..	..	..
Canada	2009	53	41	56	81	23	12	17
	2010	52	43	53	82	25	6	16
	2011	55	46	57	84	22	6	785
	2012	54	43	57	86	21	5	15
Cayman Islands	2009	47	47	..	..	..	..	..
	2010	47	47	..	..	..	..	..
	2011	47	47	..	..	..	..	..
	2012	46	46	..	..	..	..	..
Costa Rica	2009	44	11	53	..	49	0	82
	2010	37	10	53	..	13	0	81
	2011	39	13	48	..	39	0	69
	2012	43	18	49	..	44	1	74
Cuba	2009	36	37	30
	2010	34	34	18
	2011	34	34	17
	2012	37	37	20

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Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
26	26	..	..	40	15	83	..	..
26	26	..	..	47	24	87	..	..
26	26	..	..	50	33	78	..	..
25	25	..	..	50	31	81	..	..
52	52	68	15	47	43	42	92	29
52	54	60	17	48	45	41	93	31
52	55	66	16	48	44	45	91	33
53	57	71	15	47	44	42	89	29
..	..	..	..	37	37	..	..	..
..	..	..	..	40	40	..	..	..
..	..	..	..	39	39	..	..	..
..	..	..	..	36	36	..	..	..
11	11	..	..	69	69	..	..	..
11	11	..	..	69	69	..	..	..
11	11	..	..	45	45	..	..	..
11	11	..	..	45	45	..	..	..
..	..	..	..	45	45	..	..	..
..	..	..	..	33	33	..	..	41
..	..	..	..	33	32	..	..	43
..	..	..	..	33	31	..	..	52
15	15	..	..	36	36	..	..	..
15	15	..	..	37	37	..	..	..
15	15	..	..	36	36	..	..	..
15	15	..	..	42	42	..	..	..
59	59	..	..	54	54	..	..	..
56	56	..	..	43	43	..	..	..
6	6	..	..	50	50	..	..	..
5	5	..	..	54	54	..	..	..
1	1	..	..	26	12	47	..	..
33	33	..	..	33	13	57	..	..
29	29	..	..	31	13	53	..	..
31	31	..	..	32	13	55	..	..
39	39	..	..	51	51	..	..	..
37	37	..	..	51	51	..	..	..
36	36	..	..	49	49	..	..	..
36	36	..	..	46	46	..	..	..
..	..	..	..	32	32	..	..	..
..	..	..	..	33	33	..	..	..
..	..	..	..	34	34	..	..	..
..	..	..	..	33	34	..	..	..
59	47	70	..	53	40	55	81	23
55	50	60	..	52	42	53	82	24
62	56	68	..	54	45	56	84	23
66	56	76	..	53	41	56	86	19
..	..	..	..	47	47	..	..	..
..	..	..	..	47	47	..	..	..
..	..	..	..	47	47	..	..	..
..	..	..	..	46	46	..	..	..
71	59	72	72	40	9	51	..	66
88	69	94	79	32	8	48	..	28
82	66	82	86	34	12	44	..	48
89	85	84	102	37	15	44	..	50
18	18	38	39	30
17	17	36	36	18
17	17	36	36	17
18	18	39	39	20

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Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Dominica	2009	44	41	56	..	..	..	..
	2010	42	43	40	..	..	..	..
	2011	43	37	62	..	..	..	..
	2012	43	42	46	..	..	..	..
Dominican Republic	2009	49	53	32	..	..	..	..
	2010	53	57	31	..	..	..	..
	2011	54	58	33	..	5	..	..
	2012	52	57	34	..	13	..	..
El Salvador	2009	45	40	36	..	..	..	85
	2010	47	35	50	..	..	..	85
	2011	45	33	49	..	..	..	86
	2012	46	37	45	..	..	..	85
Greenland	2009	27	16	42	..	..	..	..
	2010	26	13	47	..	..	..	..
	2011	27	10	53	..	..	..	..
	2012	27	11	47	..	..	..	..
Grenada	2009	70	70	..	..	..	..	..
	2010	49	49	..	..	..	..	..
	2011	47	47	..	..	..	..	..
	2012	47	47	..	..	..	..	..
Guadeloupe	2009	44	48	16	..	28	17	38
	2010	47	52	20	..	29	17	40
	2011	43	49	20	..	29	17	36
	2012	42	48	18	..	22	17	37
Guatemala	2009	43	42	43	..	..	..	90
	2010	41	35	52	..	..	..	63
	2011	41	33	54	..	..	..	57
	2012	42	33	57	..	..	..	57
Haiti	2009	34	33	38	..	..	..	..
	2010	25	23	33	..	..	..	..
	2011	40	45	23	..	..	..	..
	2012	49	55	30	..	..	..	..
Honduras	2009	47	40	61	..	..	..	..
	2010	48	39	67	..	..	..	..
	2011	48	45	61	..	13	..	..
	2012	49	45	59	..	38	..	..
Jamaica	2009	59	59	79	..	28	..	..
	2010	59	59	76	..	29	..	..
	2011	57	58	76	..	25	..	..
	2012	52	53	75	..	30	..	..
Martinique	2009	48	48	..	..	16	37	..
	2010	50	50	..	..	17	35	..
	2011	49	49	..	..	17	35	..
	2012	44	50	..	..	17	8	..
Mexico	2009	50	55	26	88	14	5	80
	2010	50	53	36	49	25	12	78
	2011	55	59	36	84	31	11	84
	2012	54	60	31	62	32	15	82
Montserrat	2009	58	58	..	..	..	..	..
	2010	58	58	..	..	..	..	..
	2011	58	58
	2012	58	58
Netherlands Antilles	2009	46	46
	2010	46	46
	2011	47	47
	2012	47	47

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Kilowatt-hours per kilowatt divided by 8760

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
..	..	..	..	44	41	56	..	..
..	..	..	..	42	43	40	..	..
..	..	..	..	43	37	62	..	..
..	..	..	..	43	42	46	..	..
85	85	..	..	45	48	32	..	..
89	89	..	..	48	52	31	..	..
90	90	..	..	49	53	33	..	5
94	94	..	..	48	52	34	..	13
37	41	..	..	46	39	38	..	85
40	40	..	..	48	33	50	..	85
37	37	..	..	46	31	49	..	86
38	38	..	..	47	37	45	..	85
47	47	..	..	25	11	42	..	..
46	46	..	..	24	7	47	..	..
40	40	..	..	26	5	53	..	..
39	39	..	..	26	5	47	..	..
..	..	..	..	70	70	..	..	..
..	..	..	..	49	49	..	..	..
..	..	..	..	47	47	..	..	..
..	..	..	..	47	47	..	..	..
..	..	..	..	44	48	16	..	26
..	..	..	..	47	52	20	..	25
..	..	..	..	43	49	20	..	23
..	..	..	..	42	48	18	..	21
24	24	63	..	47	48	43	..	90
19	18	63	..	46	41	51	..	63
15	15	63	..	46	40	54	..	57
18	17	66	..	47	39	57	..	57
..	..	..	..	38	38	38	..	..
..	..	..	..	35	35	33	..	..
5	5	..	..	54	68	23	..	..
7	7	..	..	65	81	30	..	..
2	2	..	..	49	43	61	..	..
2	2	..	..	50	42	67	..	..
1	1	..	..	51	49	61	..	13
1	1	..	..	52	49	59	..	38
70	74	..	28	55	54	79	..	..
76	81	..	29	53	52	76	..	..
70	79	..	27	52	51	76	..	..
60	64	..	32	49	48	75	..	..
86	86	..	..	47	48	..	..	35
86	86	..	..	49	50	..	..	34
86	86	..	..	48	49	..	..	34
86	86	..	..	44	49	..	..	8
37	39	19	10	52	58	27	88	76
35	35	35	25	52	56	36	49	74
37	38	36	28	58	63	36	84	80
38	39	40	30	57	64	31	62	61
..	..	..	..	58	58	..	..	..
..	..	..	..	58	58	..	..	..
..	..	..	..	58	58	..	..	..
..	..	..	..	58	58	..	..	..
59	59	..	..	36	36	..	..	..
60	60	..	..	37	37	..	..	..
60	60	..	..	37	37	..	..	..
61	61	..	..	37	37	..	..	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Nicaragua	2009	40	42	32	..	31	..	39
	2010	39	38	55	..	30	..	39
	2011	39	38	48	..	37	..	35
	2012	38	36	45	..	58	..	36
Panama	2009	43	37	51	..	..	..	..
	2010	43	35	51	..	..	..	..
	2011	38	41	35	..	..	..	..
	2012	41	39	42	..	..	..	..
Puerto Rico	2009	47	48	11	..	..	..	..
	2010	48	49	12	..	..	..	..
	2011	46	46	16	..	..	..	..
	2012	46	47	16	..	..	..	..
St. Kitts-Nevis	2009	64	64	..	..	..	..	..
	2010	59	59	..	..	..	..	..
	2011	56	56	..	..	..	..	..
	2012	49	49	..	..	..	..	..
St. Lucia	2009	55	55	..	..	..	..	..
	2010	57	57	..	..	..	..	..
	2011	58	58	..	..	..	..	..
	2012	51	51	..	..	..	..	..
St. Pierre-Miquelon	2009	19	19	..	..	15	..	..
	2010	19	19	..	..	20	..	..
	2011	19	19	..	..	21	..	..
	2012	19	19	..	..	17	..	..
St. Vincent-Grenadines	2009	39	39	39	..	..	..	..
	2010	39	39	40	..	..	..	..
	2011	40	40	39	..	..	..	..
	2012	40	40	39	..	..	..	..
Trinidad and Tobago	2009	50	50	..	..	..	..	..
	2010	54	54	..	..	..	..	..
	2011	44	44	..	..	..	..	..
	2012	40	40	..	..	..	..	..
Turks and Caicos Islands	2009	44	44	..	..	..	..	..
	2010	43	43	..	..	..	..	..
	2011	38	38	..	..	..	..	..
	2012	34	34	..	..	..	..	..
United States	2009	47	43	34	94	25	14	73
	2010	48	45	32	95	28	13	77
	2011	47	43	39	92	30	12	78
	2012	46	43	34	90	27	13	57
United States Virgin Is.	2009	33	33	..	..	..	..	..
	2010	34	34	..	..	..	..	..
	2011	31	31	..	..	..	..	..
	2012	30	30	..	..	..	..	..
America, South	2009	49	36	57	80	20	12	44
	2010	51	41	56	82	35	17	51
	2011	51	38	59	83	21	8	..
	2012	51	42	57	85	29	16	..
Argentina	2009	43	43	39	92	15	35	..
	2010	44	44	39	80	10	40	..
	2011	44	46	36	71	4	5	..
	2012	44	47	34	72	31	8	..
Bolivia (Plur. State of)	2009	46	42	54	..	..	11	..
	2010	48	47	51	..	..	17	..
	2011	49	47	54	..	..	17	..
	2012	46	44	54	..	..	17	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Total	Autoproducers			Main activity producers				
	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
38	38	..	..	40	43	32	..	36
79	79	..	..	36	34	55	..	35
76	76	..	..	36	35	48	..	36
91	91	..	..	35	32	45	..	42
1	1	..	..	49	44	54	..	..
1	2	..	..	48	42	55	..	..
1	2	..	..	41	48	36	..	..
1	2	..	..	45	46	44	..	..
47	47	..	..	47	48	11	..	..
47	47	..	..	48	49	12	..	..
47	47	..	..	46	46	16	..	..
47	47	..	..	46	47	16	..	..
13	13	..	..	75	75	..	..	..
11	11	..	..	68	68	..	..	..
11	11	..	..	63	63	..	..	..
10	10	..	..	54	54	..	..	..
..	..	..	..	55	55	..	..	..
..	..	..	..	57	57	..	..	..
..	..	..	..	58	58	..	..	..
..	..	..	..	51	51	..	..	..
..	..	..	..	19	19	..	..	15
..	..	..	..	19	19	..	..	20
..	..	..	..	19	19	..	..	21
..	..	..	..	19	19	..	..	17
..	..	..	..	39	39	39	..	..
..	..	..	..	39	39	40	..	..
..	..	..	..	40	40	39	..	..
..	..	..	..	40	40	39	..	..
2	2	..	..	55	55	..	..	..
4	4	..	..	60	60	..	..	..
4	4	..	..	47	47	..	..	..
4	4	..	..	43	43	..	..	..
..	..	..	..	44	44	..	..	..
..	..	..	..	43	43	..	..	..
..	..	..	..	38	38	..	..	..
..	..	..	..	34	34	..	..	..
56	58	63	14	46	42	34	94	28
58	62	56	14	48	44	32	95	31
55	61	56	13	47	43	39	92	32
54	64	41	12	46	43	34	90	29
36	36	..	..	32	32	..	..	..
36	36	..	..	34	34	..	..	..
30	30	..	..	31	31	..	..	..
..	..	..	..	30	30	..	..	..
47	44	64	40	50	34	57	80	19
47	44	67	33	51	41	56	82	36
47	44	59	6	51	36	59	83	21
46	44	53	10	51	41	57	85	29
43	43	52	..	43	43	39	92	15
45	45	53	..	43	44	39	80	10
44	44	33	..	44	47	36	71	4
43	43	33	..	44	48	34	72	30
8	10	..	11	49	45	57	..	..
9	11	..	17	52	51	54	..	..
10	13	..	17	52	50	57	..	..
10	12	..	17	49	46	57	..	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Brazil	2009	50	27	57	74	23	..	..
	2010	52	38	57	83	41	..	..
	2011	52	31	59	89	22	..	..
	2012	52	40	56	91	31	..	..
Chile	2009	44	40	53	..	6	..	44
	2010	43	41	45	..	23	..	51
	2011	43	44	40	..	21	..	..
	2012	44	47	38	..	23	..	..
Colombia	2009	48	39	52	..	37	..	..
	2010	50	47	51	..	25	..	..
	2011	47	22	62	..	26	..	..
	2012	48	27	60	..	35	..	..
Ecuador	2009	48	45	52	..	14	..	..
	2010	47	49	45	..	14	..	..
	2011	49	42	58	..	14	..	..
	2012	52	43	62	..	9	..	..
Falkland Is. (Malvinas)	2009	21	22	..	..	9	..	..
	2010	17	15	..	..	22	..	..
	2011	17	15	..	..	22	..	..
	2012	17	15	..	..	22	..	..
French Guiana	2009	37	39	35	..	..	..	..
	2010	39	34	44	..	..	..	..
	2011	39	33	44	..	..	..	..
	2012	35	24	51	..	..	17	..
Guyana	2009	24	24	..	..	..	..	..
	2010	28	28	..	..	..	..	..
	2011	30	30	..	..	..	..	..
	2012	30	30	..	..	..	..	..
Paraguay	2009	71	1	71	..	..	..	..
	2010	70	1	70	..	..	..	..
	2011	75	1	75	..	..	..	..
	2012	78	2	78	..	..	..	..
Peru	2009	47	33	68	..	16	..	..
	2010	48	35	67	..	16	..	..
	2011	52	39	71	..	16	..	..
	2012	46	33	71	..	0	23	..
Suriname	2009	47	43	53	..	..	..	..
	2010	48	41	56	..	..	..	..
	2011	54	46	63	..	..	..	..
	2012	55	47	64	..	..	..	..
Uruguay	2009	38	38	39	..	12	..	..
	2010	44	21	62	..	18	..	..
	2011	42	35	48	..	29	..	..
	2012	41	42	40	..	25	..	..
Venezuela(Bolivar. Rep.)	2009	55	38	67	..	..	..	..
	2010	54	46	60	..	..	..	..
	2011	54	40	65	..	..	..	..
	2012	53	39	64	..	..	..	..
Asia	2009	49	51	35	75	42	12	69
	2010	49	50	37	75	40	36	67
	2011	50	53	36	53	43	25	69
	2012	51	53	41	43	43	27	69
Afghanistan	2009	21	11	24	..	..	..	..
	2010	21	12	23	..	..	..	..
	2011	27	17	30	..	..	..	..
	2012	27	14	32	..	..	..	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
53	48	65	..	50	16	56	74	23
54	49	70	..	52	29	57	83	41
49	46	58	..	52	20	59	89	22
47	46	52	..	53	36	56	91	31
48	47	64	44	44	39	53	..	6
32	31	46	51	43	43	45	..	23
52	52	46	34	42	43	40	..	21
64	65	49	21	43	45	38	..	23
78	82	56	..	47	37	52	..	37
38	34	59	..	50	48	51	..	25
44	30	83	..	47	22	61	..	26
34	23	66	..	48	28	60	..	35
76	76	82	..	44	36	51	..	14
61	61	64	..	44	45	44	..	14
72	71	79	..	45	32	57	..	14
74	74	77	..	48	33	62	..	9
11	11	..	..	24	25	..	..	9
11	11	..	..	18	16	..	..	22
11	11	..	..	18	16	..	..	22
11	11	..	..	18	16	..	..	22
..	..	..	..	37	39	35	..	..
..	..	..	..	39	34	44	..	..
..	..	..	..	39	33	44	..	..
..	..	..	..	35	24	51	..	17
9	9	..	..	41	41	..	..	..
19	19	..	..	38	38	..	..	..
20	20	..	..	41	41	..	..	..
18	18	..	..	41	41	..	..	..
..	..	..	..	71	1	71	..	..
..	..	..	..	70	1	70	..	..
..	..	..	..	75	1	75	..	..
..	..	..	..	78	2	78	..	..
18	15	61	..	52	38	68	..	16
21	18	59	..	52	40	67	..	16
27	24	67	..	57	44	72	..	16
24	21	72	..	49	35	71	..	3
51	49	53	..	28	28	..	..	..
54	52	56	..	22	22	..	..	..
65	67	63	..	20	20	..	..	..
66	68	64	..	20	20	..	..	..
46	47	..	37	38	37	39	..	..
59	64	..	0	43	15	62	..	25
57	62	..	1	41	31	48	..	41
58	63	..	1	40	39	40	..	35
17	17	..	..	57	40	67	..	..
17	17	..	..	56	50	60	..	..
15	15	..	..	56	42	65	..	..
18	18	..	..	54	42	64	..	..
37	39	15	16	50	53	35	75	50
38	40	18	15	50	52	37	75	48
41	43	23	15	51	55	36	53	45
41	43	22	15	52	55	41	43	46
17	1	24	..	23	21	24	..	..
17	1	24	..	23	23	23	..	..
18	1	25	..	33	33	33	..	..
19	1	27	..	33	26	35	..	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Armenia	2009	20	8	21	70	..	..	..
	2010	21	9	25	70	..	..	..
	2011	24	14	24	71	..	..	..
	2012	23	16	21	65	..	..	..
Azerbaijan	2009	34	35	27	..	..	..	..
	2010	33	32	40	..	..	..	..
	2011	36	38	31	..	..	..	..
	2012	41	45	20	..	..	..	..
Bahrain	2009	44	44	..	..	..	..	..
	2010	46	46	..	..	..	..	..
	2011	46	46	..	..	..	..	..
	2012	48	48	..	..	..	..	..
Bangladesh	2009	74	77	21	..	..	..	..
	2010	82	84	36	..	..	..	..
	2011	76	77	43	..	..	..	..
	2012	69	70	39	..	..	..	..
Bhutan	2009	53	0	54	..	..	..	..
	2010	56	0	56	..	..	..	..
	2011	54	0	54	..	..	..	..
	2012	52	0	52	..	..	..	..
Brunei Darussalam	2009	54	54	..	..	..	..	..
	2010	55	55	..	..	..	..	..
	2011	53	53	..	..	..	..	..
	2012	54	54	..	..	..	..	..
Cambodia	2009	38	39	32	..	..	23	..
	2010	31	32	22	..	..	17	..
	2011	21	32	2	..	..	17	..
	2012	28	29	26	..	..	17	..
China	2009	49	51	41	89	50	..	..
	2010	48	49	42	77	48	50	..
	2011	54	56	41	90	48	34	..
	2012	56	57	51	90	48	42	..
China, Hong Kong SAR	2009	35	35	..	..	11	..	..
	2010	35	35	..	..	11	..	..
	2011	35	35	..	..	11	..	..
	2012	35	35	..	..	11	..	..
China, Macao SAR	2009	34	34	..	..	..	..	..
	2010	25	25	..	..	..	..	..
	2011	19	19	..	..	..	..	..
	2012	11	11	..	..	..	..	..
Cyprus	2009	44	44	..	..	..	15	..
	2010	39	41	..	..	4	27	..
	2011	53	56	..	..	16	34	..
	2012	34	34	..	..	26	63	..
Georgia	2009	21	7	29	..	..	..	..
	2010	25	4	37	..	..	..	..
	2011	28	18	35	..	..	..	..
	2012	27	17	32	..	..	..	..
India	2009	55	60	33	47	..	..	..
	2010	53	57	35	63	..	..	..
	2011	47	50	30	77	..	..	..
	2012	45	47	33	79	..	..	..
Indonesia	2009	55	60	26	..	1	..	89
	2010	62	65	40	..	0	..	90
	2011	52	53	36	..	0	11	88
	2012	44	44	31	..	0	9	80

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
..	..	..	..	20	8	21	70	15
..	..	..	..	21	9	25	70	20
..	..	..	..	24	14	24	71	17
..	..	..	..	23	16	21	65	11
31	31	..	..	34	35	27	..	..
30	30	..	..	33	32	40	..	..
34	34	..	..	37	38	31	..	..
148	148	..	..	39	42	20	..	..
40	40	..	..	48	48	..	..	..
39	39	..	..	53	53	..	..	..
40	40	..	..	52	52	..	..	..
40	40	..	..	57	57	..	..	..
60	60	..	..	81	85	21	..	..
76	76	..	..	85	88	36	..	..
78	78	..	..	75	77	43	..	..
66	66	..	..	70	72	39	..	..
..	..	..	..	53	0	54	..	..
..	..	..	..	56	0	56	..	..
..	..	..	..	54	0	54	..	..
..	..	..	..	52	0	52	..	..
58	58	..	..	53	53	..	..	..
57	57	..	..	55	55	..	..	..
52	52	..	..	53	53	..	..	..
62	62	..	..	54	54	..	..	..
..	..	..	..	38	39	32	..	23
..	..	..	..	31	32	22	..	17
..	..	..	..	21	32	2	..	17
..	..	..	..	28	29	26	..	17
48	53	..	..	49	51	42	89	50
54	59	..	..	48	48	44	77	49
62	68	..	..	53	56	42	90	44
63	69	..	..	56	56	53	90	47
..	..	..	..	35	35	..	..	11
..	..	..	..	35	35	..	..	11
..	..	..	..	35	35	..	..	11
..	..	..	..	35	35	..	..	11
53	53	..	..	33	33	..	..	..
61	61	..	..	23	23	..	..	..
49	49	..	..	18	18	..	..	..
52	52	..	..	9	9	..	..	..
49	51	..	11	44	44	..	..	17
48	50	..	23	39	41	..	..	5
43	44	..	23	53	56	..	..	17
38	39	..	23	34	34	..	..	28
..	..	..	..	21	7	29	..	..
..	..	..	..	25	4	37	..	..
..	..	..	..	28	18	35	..	..
..	..	..	..	27	17	32	..	..
41	41	43	..	57	65	33	47	..
38	38	43	..	56	61	35	63	..
40	40	43	..	48	52	30	77	..
40	40	43	..	46	48	33	79	..
1	2	0	..	67	72	35	..	89
34	44	0	..	68	69	54	..	90
65	67	48	..	50	50	34	..	88
89	93	50	..	38	37	29	..	80

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Iran(Islamic Rep. of)	2009	45	50	11	..	28	8	..
	2010	43	48	13	..	20	10	..
	2011	42	47	16	4	25	6	..
	2012	42	47	15	21	22	7	..
Iraq	2009	37	41	15	..	..	..	..
	2010	39	43	22	..	..	..	..
	2011	37	40	19	..	..	..	..
	2012	42	44	25	..	..	..	..
Israel	2009	51	51	39	..	17	11	51
	2010	51	52	51	..	15	11	10
	2011	49	50	47	..	13	12	7
	2012	50	50	54	..	11	21	0
Japan	2009	42	42	20	65	21	12	62
	2010	44	45	22	67	20	12	56
	2011	41	52	22	24	22	12	57
	2012	40	55	19	4	22	12	58
Jordan	2009	55	55	56	..	9	..	..
	2010	53	53	58	..	9	..	..
	2011	45	45	52	..	2	..	..
	2012	51	51	58	..	2	..	..
Kazakhstan	2009	48	50	35	..	..	..	..
	2010	50	52	41	..	..	..	..
	2011	53	54	41	..	..	..	..
	2012	56	58	39	..	17	..	..
Korea, Dem.Ppl's.Rep.	2009	25	22	29	..	..	..	..
	2010	26	21	31	..	..	..	..
	2011	23	15	30	..	..	..	..
	2012	23	15	31	..	..	..	..
Korea, Republic of	2009	64	61	12	95	22	12	46
	2010	67	65	13	96	24	14	59
	2011	71	70	14	94	23	14	54
	2012	65	65	14	83	23	12	..
Kuwait	2009	48	48	..	..	..	..	..
	2010	51	51	..	..	..	..	..
	2011	44	44	..	..	..	..	..
	2012	48	48	..	..	..	..	..
Kyrgyzstan	2009	34	12	40	..	..	..	..
	2010	36	14	41	..	..	..	..
	2011	45	15	53	..	..	..	..
	2012	45	14	53	..	..	..	..
Lao People's Dem. Rep.	2009	22	68	21	..	..	13	..
	2010	16	68	15	..	..	13	..
	2011	16	68	15	..	..	13	..
	2012	16	68	15	..	..	13	..
Lebanon	2009	54	57	26	..	..	..	..
	2010	56	58	35	..	..	..	..
	2011	58	59	42	..	..	..	..
	2012	53	53	52	..	..	..	..
Malaysia	2009	48	49	36	..	..	..	..
	2010	53	54	34	..	..	..	..
	2011	50	52	29	..	..	..	..
	2012	53	55	31	..	..	..	..
Maldives	2009	45	45	..	..	..	..	..
	2010	38	38	..	..	..	..	..
	2011	40	40	..	..	..	..	..
	2012	42	42	..	..	..	..	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
20	20	..	..	47	53	11	..	28
17	17	..	..	46	51	13	..	19
22	22	..	..	44	49	16	4	24
22	22	..	..	44	50	15	21	21
..	..	..	..	37	41	15	..	..
..	..	..	..	39	43	22	..	..
..	..	..	..	37	40	19	..	..
..	..	..	..	42	44	25	..	..
51	55	23	38	51	51	46	..	32
41	48	23	11	52	52	62	..	13
30	45	29	11	50	50	55	..	4
28	31	23	21	51	51	66	..	2
31	31	76	16	44	46	19	65	60
28	28	43	15	49	52	20	67	49
26	26	47	15	45	61	19	24	48
26	26	43	15	44	66	17	4	50
15	15	..	..	58	58	56	..	9
17	17	..	..	56	56	58	..	9
15	15	..	..	47	47	52	..	2
14	14	..	..	53	53	58	..	2
..	..	..	..	48	50	35	..	..
..	..	..	..	50	52	41	..	..
..	..	..	..	53	54	41	..	..
..	..	..	..	56	58	39	..	17
..	..	..	..	25	22	29	..	..
..	..	..	..	26	21	31	..	..
..	..	..	..	23	15	30	..	..
..	..	..	..	23	15	31	..	..
46	47	..	7	66	62	12	95	18
58	59	..	10	68	65	13	96	20
59	61	..	13	71	71	14	94	21
52	54	..	7	66	66	14	83	22
..	..	..	..	48	48	..	..	..
..	..	..	..	52	52	..	..	..
..	..	..	..	45	45	..	..	..
..	..	..	..	49	49	..	..	..
..	..	..	..	34	12	40	..	..
..	..	..	..	36	14	41	..	..
..	..	..	..	45	15	53	..	..
..	..	..	..	45	14	53	..	..
13	..	..	13	23	68	21	..	..
13	..	..	13	16	68	15	..	..
13	..	..	13	16	68	15	..	..
13	..	..	13	16	68	15	..	..
56	56	..	..	53	57	26	..	..
57	57	..	..	55	58	35	..	..
57	57	..	..	59	61	42	..	..
72	72	..	..	45	44	52	..	..
16	16	..	..	50	51	36	..	..
15	15	..	..	55	57	34	..	..
20	20	..	..	53	56	29	..	..
22	22	..	..	56	60	31	..	..
..	..	..	..	45	45	..	..	..
..	..	..	..	38	38	..	..	..
..	..	..	..	40	40	..	..	..
..	..	..	..	42	42	..	..	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Mongolia	2009	55	55	..	..	..	..	..
	2010	59	59	..	..	..	..	..
	2011	57	57	..	..	..	..	..
	2012	60	60	..	..	..	..	..
Myanmar	2009	31	22	36	..	..	..	..
	2010	29	31	28	..	..	..	..
	2011	35	38	34	..	..	..	..
	2012	37	40	36	..	..	..	..
Nepal	2009	56	3	62	..	..	..	..
	2010	58	1	64	..	..	..	..
	2011	52	0	56	..	..	..	..
	2012	53	4	57	..	..	..	..
Oman	2009	48	48	..	..	..	..	..
	2010	53	53	..	..	..	..	..
	2011	50	50	..	..	..	..	..
	2012	49	49	..	..	..	..	..
Other Asia	2009	55	54	18	92	24	5	..
	2010	58	58	18	92	23	6	..
	2011	59	60	17	93	30	3	..
	2012	59	60	21	90	25	14	..
Pakistan	2009	52	53	49	72	..	..	..
	2010	48	44	56	50	..	..	..
	2011	48	45	50	76	..	..	..
	2012	46	43	52	59	..	..	..
Philippines	2009	45	46	34	..	12	15	60
	2010	47	52	26	..	10	7	58
	2011	49	52	32	..	9	7	64
	2012	49	52	33	..	6	5	63
Qatar	2009	52	52	..	..	..	..	..
	2010	41	41	..	..	..	..	..
	2011	45	45	..	..	..	..	..
	2012	51	51	..	..	..	..	..
Saudi Arabia	2009	56	56	..	..	..	..	..
	2010	59	59	..	..	..	..	..
	2011	56	56	..	..	..	..	..
	2012	50	50	..	..	..	..	..
Singapore	2009	45	45	..	..	..	..	..
	2010	50	50	..	..	..	..	..
	2011	51	51	..	..	..	..	..
	2012	51	51	..	..	..	..	..
Sri Lanka	2009	42	53	32	..	13	3,884	..
	2010	44	41	47	..	18	4,111	..
	2011	42	46	37	..	29	72	..
	2012	40	56	24	..	22	79	..
State of Palestine	2009	41	41	..	..	..	..	..
	2010	39	39	..	..	..	..	..
	2011	46	46	..	..	..	..	..
	2012	38	38	..	..	..	..	..
Syrian Arab Republic	2009	59	64	24	..	..	..	..
	2010	65	68	35	..	..	..	..
	2011	58	60	44	..	..	..	..
	2012	43	43	43	..	..	..	..
Tajikistan	2009	36	8	38	..	..	..	..
	2010	37	1	39	..	..	..	..
	2011	36	1	39	..	..	..	..
	2012	31	3	33	..	..	..	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
4	4	..	..	59	59	..	..	..
5	5	..	..	63	63	..	..	..
6	6	..	..	61	61	..	..	..
6	6	..	..	64	64	..	..	..
..	..	..	..	31	22	36	..	..
..	..	..	..	29	31	28	..	..
..	..	..	..	35	38	34	..	..
..	..	..	..	37	40	36	..	..
3	..	3	..	74	3	84	..	..
3	..	3	..	76	1	86	..	..
4	..	4	..	65	0	71	..	..
6	..	6	..	65	4	71	..	..
..	..	..	..	48	48	..	..	..
..	..	..	..	53	53	..	..	..
..	..	..	..	50	50	..	..	..
..	..	..	..	49	49	..	..	..
27	27	..	..	68	73	18	92	23
27	27	..	..	72	79	18	92	22
27	27	..	..	74	83	17	93	25
25	25	..	..	75	85	21	90	22
59	59	..	..	48	46	49	72	..
51	51	..	..	46	37	56	50	..
54	54	..	..	44	35	50	76	..
49	49	..	..	44	35	52	59	..
15	19	12	..	45	46	34	..	59
15	19	12	..	47	52	26	..	56
15	19	12	..	49	52	32	..	60
15	19	12	..	49	52	33	..	59
66	66	..	..	21	21	..	..	..
54	54	..	..	12	12	..	..	..
60	60	..	..	11	11	..	..	..
67	67	..	..	14	14	..	..	..
56	56	..	..	56	56	..	..	..
59	59	..	..	59	59	..	..	..
56	56	..	..	56	56	..	..	..
50	50	..	..	50	50	..	..	..
41	41	..	..	45	45	..	..	..
47	47	..	..	51	51	..	..	..
49	49	..	..	51	51	..	..	..
63	63	..	..	51	51	..	..	..
..	..	..	..	42	53	32	..	13
..	..	..	..	44	41	47	..	18
..	..	..	..	42	46	37	..	28
..	..	..	..	40	56	24	..	22
..	..	..	..	41	41	..	..	..
..	..	..	..	39	39	..	..	..
..	..	..	..	46	46	..	..	..
..	..	..	..	38	38	..	..	..
10	10	..	..	68	74	24	..	..
12	12	..	..	72	77	35	..	..
12	12	..	..	65	68	44	..	..
9	9	..	..	48	49	43	..	..
..	..	..	..	36	8	38	..	..
..	..	..	..	37	1	39	..	..
..	..	..	..	36	1	39	..	..
..	..	..	..	31	3	33	..	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Thailand	2009	36	37	23	..	4	10	76
	2010	38	40	18	..	11	10	76
	2011	36	37	26	..	11	10	76
	2012	40	41	28	..	11	10	38
Timor-Leste	2009	34	34	..	..	..	..	..
	2010	35	35	..	..	..	..	..
	2011	36	36	..	..	..	..	..
	2012	33	33	..	..	..	..	..
Turkey	2009	50	61	28	..	22	..	65
	2010	49	55	37	..	25	..	81
	2011	49	58	35	..	31	..	69
	2012	48	57	34	..	30	..	63
Turkmenistan	2009	64	64	34	..	..	..	..
	2010	63	63	34	..	..	..	..
	2011	61	61	0	..	..	..	..
	2012	63	63	0	..	..	..	..
United Arab Emirates	2009	52	52	..	..	..	..	..
	2010	55	55	..	..	..	..	..
	2011	43	43	..	..	..	..	..
	2012	44	44	..	..	..	..	..
Uzbekistan	2009	49	47	62	..	..	..	..
	2010	51	47	72	..	..	..	..
	2011	48	46	64	..	..	..	..
	2012	47	43	69	..	..	..	..
Viet Nam	2009	54	51	62	..	..	..	..
	2010	47	45	54	..	..	..	..
	2011	47	41	59	..	32	..	..
	2012	48	42	58	..	28	..	..
Yemen	2009	58	58	..	..	..	..	..
	2010	66	66	..	..	..	..	..
	2011	47	47	..	..	..	..	..
	2012	49	49	..	..	..	..	..
Europe	2009	44	44	34	77	20	9	57
	2010	45	44	35	79	20	9	57
	2011	43	44	31	79	22	10	41
	2012	42	42	34	81	22	11	43
Albania	2009	41	2	42	..	..	..	..
	2010	60	5	62	..	..	..	..
	2011	31	10	31	..	..	..	..
	2012	33	0	34	..	..	..	..
Andorra	2009	29	43	27	..	..	..	..
	2010	41	29	43	..	..	..	..
	2011	33	28	34	..	..	..	..
	2012	33	28	34	..	..	..	..
Austria	2009	38	37	40	..	23	8	23
	2010	38	43	37	..	24	7	11
	2011	33	36	33	..	20	6	11
	2012	36	31	42	..	21	11	11
Belarus	2009	43	43	33	..	8	..	..
	2010	48	48	35	..	8	..	..
	2011	44	44	31	..	3	..	..
	2012	39	39	24	..	20	..	..
Belgium	2009	60	51	14	91	19	5	..
	2010	59	54	13	92	16	7	..
	2011	51	41	11	93	25	10	..
	2012	46	43	13	78	23	10	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Total	Autoproducers			Main activity producers				
	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
11	11	..	..	50	53	23	..	10
11	11	..	..	52	57	18	..	11
11	11	..	..	50	53	26	..	11
11	11	..	..	55	58	28	..	11
..	..	..	..	34	34	..	..	..
..	..	..	..	35	35	..	..	..
..	..	..	..	36	36	..	..	..
..	..	..	..	33	33	..	..	..
50	54	33	23	50	62	28	..	25
45	49	26	23	49	56	38	..	29
46	51	26	23	50	58	35	..	34
47	50	35	23	48	58	34	..	32
..	..	..	..	64	64	34	..	..
..	..	..	..	63	63	34	..	..
..	..	..	..	61	61	0	..	..
..	..	..	..	63	63	0	..	..
..	..	..	..	52	52	..	..	..
..	..	..	..	55	55	..	..	..
..	..	..	..	43	43	..	..	..
..	..	..	..	44	44	..	..	..
14	14	..	..	50	48	62	..	..
14	14	..	..	51	48	72	..	..
15	15	..	..	49	46	64	..	..
14	14	..	..	48	44	69	..	..
14	14	..	..	59	58	62	..	..
18	18	..	..	50	48	54	..	..
15	15	..	..	50	46	59	..	32
16	16	..	..	52	47	58	..	33
59	59	..	..	58	58	..	..	..
43	43	..	..	69	69	..	..	..
26	26	..	..	48	48	..	..	..
32	32	..	..	51	51	..	..	..
44	45	44	22	44	43	34	77	19
47	49	42	21	45	44	35	79	18
45	49	41	15	43	43	31	79	19
45	50	43	15	42	41	33	81	19
..	..	..	..	41	2	42	..	..
..	..	..	..	60	5	62	..	..
..	..	..	..	31	10	31	..	..
..	..	..	..	33	0	34	..	..
..	..	..	..	29	43	27	..	..
..	..	..	..	41	29	43	..	..
..	..	..	..	33	28	34	..	..
..	..	..	..	33	28	34	..	..
46	53	26	..	37	32	41	..	22
46	54	22	..	37	39	38	..	22
45	53	21	..	32	31	34	..	17
45	51	25	..	35	25	42	..	19
53	53	32	8	42	42	34	..	..
61	62	4	8	47	47	52	..	..
63	64	8	3	43	43	46	..	..
60	60	10	7	38	38	28	..	..
33	43	..	5	62	52	14	91	19
28	39	..	8	63	57	13	92	15
22	27	..	12	57	45	11	93	20
28	52	..	12	49	42	13	78	16

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Bosnia and Herzegovina	2009	42	49	34	..	..	..	..
	2010	45	47	43	..	..	..	..
	2011	41	57	24	..	..	..	..
	2012	37	52	23	..	..	..	..
Bulgaria	2009	51	61	15	92	8	17	..
	2010	53	62	21	92	16	7	..
	2011	57	75	14	98	18	7	..
	2012	46	59	15	95	21	9	..
Croatia	2009	37	36	37	..	36	..	..
	2010	40	35	46	..	20	..	..
	2011	31	38	25	..	19	..	..
	2012	29	33	26	..	21	..	..
Czech Republic	2009	51	51	16	81	17	2	..
	2010	49	52	18	82	18	4	..
	2011	50	52	14	81	21	13	..
	2012	49	50	15	86	18	12	..
Denmark	2009	31	34	24	..	22	9	..
	2010	33	37	27	..	23	10	..
	2011	30	30	22	..	28	10	..
	2012	25	24	22	..	28	3	..
Estonia	2009	38	38	52	..	21	..	..
	2010	54	55	51	..	29	..	..
	2011	52	54	68	..	23	..	..
	2012	47	50	60	..	19	..	..
Faeroe Islands	2009	32	29	33	..	57	..	..
	2010	32	35	24	..	52	..	..
	2011	31	29	33	..	55	..	..
	2012	33	32	36	..	41	..	..
Finland	2009	50	39	46	101	22	8	..
	2010	55	48	47	96	17	8	..
	2011	50	40	44	97	28	7	..
	2012	48	32	60	95	22	7	..
France	2009	51	25	28	74	20	8	21
	2010	52	25	30	77	19	7	23
	2011	50	22	22	80	21	8	4
	2012	50	23	29	77	23	12	8
Germany	2009	45	53	25	75	17	7	53
	2010	44	55	28	78	16	8	59
	2011	40	52	23	60	19	9	56
	2012	41	54	28	94	18	9	63
Gibraltar	2009	46	46	..	..	..	..	..
	2010	47	47	..	..	..	..	..
	2011	45	45	..	..	..	..	..
	2012	47	47	..	..	..	..	..
Greece	2009	48	59	20	..	25	12	..
	2010	43	51	27	..	24	9	..
	2011	41	53	15	..	23	11	..
	2012	31	37	16	..	25	13	..
Guernsey	2009	17	17	..	..	..	..	..
	2010	15	15	..	..	..	..	..
	2011	8	8	..	..	..	..	..
	2012	7	7	..	..	..	..	..
Hungary	2009	46	34	49	91	19	11	..
	2010	47	36	40	90	21	6	..
	2011	43	31	46	90	22	3	..
	2012	42	29	43	90	27	8	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
16	16	..	..	43	53	34	..	..
20	20	..	..	47	51	43	..	..
16	16	..	..	42	62	24	..	..
17	17	..	..	38	56	23	..	..
53	49	..	..	51	61	15	92	8
53	50	..	..	53	63	21	92	15
36	31	..	..	57	75	14	98	16
62	58	..	..	46	59	15	95	14
22	22	14	..	38	38	37	..	36
24	24	23	..	41	37	46	..	14
28	28	11	..	31	40	25	..	19
22	22	29	..	29	34	26	..	21
46	47	40	..	52	51	14	81	7
57	58	45	..	49	51	15	82	6
49	51	33	..	50	52	12	81	14
48	50	33	..	49	50	13	86	13
37	37	..	9	31	34	24	..	22
41	41	..	10	33	37	27	..	23
38	39	..	10	29	30	22	..	28
23	35	..	3	25	24	22	..	28
61	64	..	11	37	38	52	..	22
56	58	..	11	54	55	51	..	29
63	63	..	..	52	54	68	..	23
59	58	..	..	47	49	60	..	19
..	..	..	..	32	29	33	..	57
..	..	..	..	32	35	24	..	52
..	..	..	..	31	29	33	..	55
..	..	..	..	33	32	36	..	41
47	46	52	..	51	37	46	101	25
52	51	50	..	56	47	47	96	19
50	49	56	..	50	37	44	97	30
48	45	73	..	47	28	59	95	23
28	28	36	19	52	24	28	74	19
24	24	36	18	54	25	30	77	17
24	34	23	9	52	20	22	80	17
30	42	26	15	51	19	29	77	19
53	53	52	51	44	53	25	75	14
61	61	58	55	43	54	28	78	13
59	59	54	59	39	52	23	60	15
72	72	55	72	39	52	28	94	14
..	..	..	..	46	46	..	..	..
..	..	..	..	47	47	..	..	..
..	..	..	..	45	45	..	..	..
..	..	..	..	47	47	..	..	..
41	41	..	..	48	60	20	..	24
54	54	..	..	42	50	27	..	22
54	54	..	..	41	53	15	..	20
51	51	..	..	31	36	16	..	19
..	..	..	..	17	17	..	..	..
..	..	..	..	15	15	..	..	..
..	..	..	..	8	8	..	..	..
..	..	..	..	7	7	..	..	..
32	33	..	11	46	34	49	91	19
32	33	..	6	48	36	40	90	21
44	45	..	3	43	30	46	90	22
48	53	..	8	42	29	43	90	27

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Iceland	2009	75	0	75	..	..	..	90
	2010	76	0	76	..	..	..	89
	2011	74	0	76	..	..	..	81
	2012	75	0	75	..	..	..	89
Ireland	2009	42	49	27	..	27	..	..
	2010	38	45	17	..	23	..	..
	2011	36	40	15	..	31	..	..
	2012	36	41	22	..	26	..	..
Isle of Man	2009	33	33	39	..	..	..	..
	2010	32	32	34	..	..	..	..
	2011	32	32	35	..	..	..	..
	2012	19	19	50	..	..	..	..
Italy	2009	33	35	29	..	15	7	67
	2010	32	35	29	..	18	6	67
	2011	29	34	25	..	16	10	71
	2012	27	32	23	..	19	13	70
Jersey	2009	3	3	..	..	..	..	..
	2010	3	3	..	..	..	..	..
	2011	2	2	..	..	..	..	..
	2012	2	2	..	..	..	..	..
Latvia	2009	25	25	26	..	20	..	..
	2010	30	37	25	..	19	..	..
	2011	27	37	21	..	23	..	..
	2012	26	26	27	..	22	..	..
Lithuania	2009	37	13	14	102	45	..	..
	2010	18	17	16	..	64	..	..
	2011	15	13	13	..	77	..	..
	2012	15	14	11	..	88	..	..
Luxembourg	2009	26	68	8	..	17	9	..
	2010	31	69	15	..	14	8	..
	2011	24	55	11	..	16	7	..
	2012	24	56	12	..	15	6	..
Malta	2009	27	27	..	..	..	..	..
	2010	26	26	..	..	..	..	..
	2011	27	27	..	..	..	6	..
	2012	28	28	..	..	..	9	..
Montenegro	2009	36	37	36	..	..	..	..
	2010	53	69	48	..	..	..	..
	2011	35	79	21	..	..	..	..
	2012	37	74	26	..	..	..	..
Netherlands	2009	50	52	30	95	24	8	21
	2010	51	53	32	89	20	8	25
	2011	46	47	18	93	25	8	24
	2012	39	40	32	88	23	8	29
Norway	2009	48	42	49	..	26	..	2
	2010	45	41	45	..	24	..	9
	2011	45	34	46	..	29	..	8
	2012	52	24	54	..	25	..	0
Poland	2009	52	56	15	..	17	..	..
	2010	54	58	17	..	17	..	..
	2011	54	59	13	..	20	..	..
	2012	52	58	12	..	21	11	..
Portugal	2009	33	43	20	..	26	16	84
	2010	33	32	37	..	28	18	90
	2011	30	35	25	..	25	19	96
	2012	27	36	13	..	27	19	67

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
..	..	..	..	75	0	75	..	90
..	..	..	..	76	0	76	..	89
..	..	..	..	74	0	76	..	81
..	..	..	..	75	0	75	..	89
70	70	..	..	41	48	27	..	23
72	72	..	..	37	43	17	..	20
68	68	..	..	34	38	15	..	27
73	73	..	..	34	39	22	..	23
..	..	..	..	33	33	39	..	..
..	..	..	..	32	32	34	..	..
..	..	..	..	32	32	35	..	..
..	..	..	..	19	19	50	..	..
38	37	58	34	33	35	28	..	21
44	44	62	45	32	35	29	..	19
47	46	59	45	28	33	25	..	15
44	44	51	42	27	32	23	..	17
41	41	..	..	2	2	..	..	..
35	35	..	..	2	2	..	..	..
54	54	..	..	1	1	..	..	..
55	55	..	..	1	1	..	..	..
36	45	18	15	25	25	26	..	20
41	49	23	29	29	37	26	..	18
37	43	21	0	27	37	21	..	23
50	52	27	..	26	25	27	..	21
58	64	..	..	37	12	14	102	45
50	52	..	..	17	16	16	..	64
54	58	..	..	13	12	13	..	77
56	64	..	..	13	12	11	..	88
27	34	34	9	26	72	8	..	17
27	35	46	8	31	74	15	..	14
24	35	23	7	24	57	11	..	16
19	35	29	6	25	58	12	..	15
0	0	..	..	27	27	..	..	..
11	11	..	..	26	26	..	..	..
11	11	..	..	27	27	..	..	6
34	34	..	..	28	28	..	..	9
..	..	..	..	36	37	36	..	..
..	..	..	..	53	69	48	..	..
..	..	..	..	35	79	21	..	..
..	..	..	..	37	74	26	..	..
47	50	..	22	51	52	30	95	23
49	53	..	19	51	53	32	89	20
44	48	..	21	47	47	18	93	26
43	49	..	17	38	38	32	88	24
66	69	64	..	47	4	48	..	26
55	59	51	..	44	6	45	..	24
52	50	55	..	45	7	46	..	28
44	34	55	..	53	7	54	..	25
47	47	23	..	53	57	15	..	17
51	51	23	..	54	59	17	..	17
55	55	23	..	54	59	13	..	20
55	55	23	11	52	58	12	..	21
44	44	30	..	32	43	20	..	26
48	48	36	..	31	29	37	..	28
49	50	27	14	28	32	25	..	25
45	47	19	16	25	33	13	..	27

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Republic of Moldova	2009	23	23	39	..	..	..	..
	2010	24	23	56	..	..	..	..
	2011	23	22	54	..	..	..	..
	2012	22	22	24	..	..	..	..
Romania	2009	34	30	28	95	7	..	..
	2010	35	28	36	94	9	..	..
	2011	35	34	26	95	16	11	..
	2012	31	31	22	93	17	2	..
Russian Federation	2009	50	48	42	77	5	..	65
	2010	53	53	41	80	5	..	71
	2011	54	54	40	81	6	..	74
	2012	53	52	39	80	6	..	67
Serbia	2009	52	56	45	..	..	..	..
	2010	51	52	49	..	..	..	..
	2011	52	60	36	..	..	..	..
	2012	49	55	39	..	..	..	..
Slovakia	2009	42	30	21	88	23	..	23
	2010	40	25	26	91	23	10	24
	2011	39	29	19	91	19	9	47
	2012	39	28	20	91	23	9	41
Slovenia	2009	61	52	50	98	..	11	..
	2010	59	55	43	97	..	12	..
	2011	56	55	34	103	..	13	..
	2012	54	54	37	92	..	13	..
Spain	2009	32	35	18	82	23	18	43
	2010	32	28	28	95	24	18	20
	2011	30	30	20	88	23	19	22
	2012	30	30	15	94	25	21	22
Sweden	2009	44	22	45	67	20	9	..
	2010	47	27	45	74	20	9	..
	2011	49	30	46	74	25	10	..
	2012	50	22	55	77	23	9	..
Switzerland	2009	40	41	28	98	15	7	..
	2010	39	43	28	92	10	8	..
	2011	37	44	25	93	17	8	..
	2012	39	44	30	89	21	8	..
T.F.Yug.Rep. Macedonia	2009	49	61	26	..	..	..	..
	2010	51	51	50	..	..	..	..
	2011	47	56	29	..	..	6	..
	2012	42	55	20	..	..	9	..
Ukraine	2009	36	26	25	68	6	..	..
	2010	39	28	28	74	6	..	..
	2011	41	31	23	74	7	2	..
	2012	41	32	23	74	13	12	..
United Kingdom	2009	49	49	23	73	24	8	11
	2010	47	47	18	65	22	5	23
	2011	45	45	22	74	27	3	11
	2012	44	43	21	81	25	8	15
Oceania	2009	50	56	30	..	27	17	85
	2010	49	54	32	..	32	17	89
	2011	48	52	35	..	32	17	93
	2012	46	51	31	..	29	12	94
American Samoa	2009	42	42	..	..	..	..	..
	2010	41	41	..	..	..	..	..
	2011	44	44	..	..	..	..	..
	2012	43	44	..	..	..	13	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Autoproducers				Main activity producers				
Total	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
2	2	..	..	33	33	39	..	..
3	3	..	..	34	33	56	..	..
2	2	..	..	32	31	54	..	..
3	3	..	..	30	30	24	..	..
32	33	31	6	34	30	28	95	7
40	40	37	11	35	28	36	94	9
41	45	20	11	34	33	26	95	16
24	29	19	5	32	31	22	93	19
35	35	19	..	51	50	43	77	59
40	41	19	..	54	54	41	80	64
42	42	23	..	55	55	41	81	66
42	42	38	..	53	54	39	80	60
61	61	..	..	52	56	45	..	..
93	93	..	..	51	52	49	..	..
75	75	..	..	52	60	36	..	..
56	56	..	..	49	55	39	..	..
38	38	49	23	42	28	21	88	..
38	39	50	18	41	22	25	91	11
28	41	40	11	41	27	19	91	9
28	40	35	11	40	25	20	91	10
28	50	16	11	64	52	54	98	11
29	58	16	12	61	55	46	97	11
22	50	12	13	59	55	36	103	11
21	72	12	13	57	53	40	92	14
60	61	35	42	30	31	18	82	22
61	62	48	22	29	24	28	95	23
64	65	49	23	28	25	20	88	22
65	66	26	23	28	25	15	94	24
51	51	61	..	44	17	45	67	20
67	67	53	..	46	21	45	74	20
49	49	57	..	49	25	46	74	25
58	58	65	..	50	16	55	77	23
46	43	55	7	40	28	27	98	15
47	45	59	8	39	23	27	92	10
43	47	51	8	36	23	24	93	17
39	46	49	8	39	30	29	89	21
4	4	..	..	49	61	26	..	..
8	8	..	..	51	51	50	..	..
8	8	..	..	47	56	29	..	6
8	8	..	..	42	55	20	..	9
16	16	49	..	38	27	25	68	6
17	17	64	..	41	29	27	74	7
13	13	40	..	42	32	23	74	5
13	13	46	..	43	34	23	74	13
62	72	60	20	48	46	22	73	26
62	69	53	21	45	45	16	65	21
58	75	61	16	44	42	20	74	28
57	81	59	15	43	40	19	81	25
48	48	54	18	50	57	30	..	40
48	49	42	18	49	54	32	..	45
45	49	42	17	48	52	34	..	45
40	49	42	12	47	52	31	..	41
..	..	..	..	42	42	..	..	..
..	..	..	..	41	41	..	..	..
..	..	..	..	44	44	..	..	..
..	..	..	..	43	44	..	..	13

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Australia	2009	50	57	16	..	26	17	..
	2010	48	54	18	..	31	17	11
	2011	47	53	22	..	31	17	11
	2012	45	51	18	..	27	12	0
Cook Islands	2009	47	47	..	..	..	..	..
	2010	48	48	..	..	..	..	..
	2011	48	48	..	..	..	..	..
	2012	47	47	..	..	..	..	..
Fiji	2009	43	41	47	..	8	..	..
	2010	46	55	43	..	7	..	..
	2011	44	45	47	..	6	..	..
	2012	37	37	40	..	8	..	..
French Polynesia	2009	37	34	51	..	14	14	..
	2010	41	35	67	..	12	14	..
	2011	38	34	54	..	12	14	..
	2012	38	36	50	..	13	15	..
Guam	2009	39	39	..	..	..	..	..
	2010	39	39	..	..	..	..	..
	2011	38	38	..	..	..	..	..
	2012	37	37	..	..	..	..	..
Kiribati	2009	42	46	..	..	..	..	..
	2010	46	50	..	..	..	..	..
	2011	46	50	..	..	..	..	..
	2012	46	50	..	..	..	..	..
Marshall Islands	2009	74	74	..	..	..	..	..
	2010	75	75	..	..	..	..	..
	2011	75	75	..	..	..	..	..
	2012	75	75	..	..	..	..	..
Micronesia(Fed. States of)	2009	25	25	..	..	..	12	..
	2010	24	25	..	..	..	15	..
	2011	23	23	..	..	..	15	..
	2012	23	24	..	..	..	15	..
Nauru	2009	40	40	..	..	..	..	..
	2010	43	43	..	..	..	..	..
	2011	50	50	..	..	..	..	..
	2012	51	51	..	..	..	..	..
New Caledonia	2009	45	44	59	..	15	..	..
	2010	49	54	39	..	16	14	..
	2011	52	56	55	..	14	12	..
	2012	52	55	59	..	18	15	..
New Zealand	2009	53	50	52	..	34	..	85
	2010	53	46	54	..	36	..	90
	2011	52	41	55	..	36	..	93
	2012	53	52	50	..	38	..	94
Niue	2009	34	34	..	..	..	..	..
	2010	34	34	..	..	..	..	..
	2011	34	34	..	..	..	..	..
	2012	34	34	..	..	..	..	..
Northern Mariana Islands	2009	77	77	..	..	..	..	..
	2010	77	77	..	..	..	..	..
	2011	77	77	..	..	..	..	..
	2012	77	77	..	..	..	..	..
Palau	2009	22	23	21	..	..	..	..
	2010	22	22	21	..	..	..	..
	2011	21	21	21	..	..	..	..
	2012	21	21	21	..	..	..	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Total	Autoproducers			Main activity producers				
	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
45	46	..	17	50	58	16	..	26
45	46	..	17	48	55	18	..	31
43	47	..	17	48	53	22	..	31
38	46	..	12	46	52	18	..	27
..	..	..	..	47	47	..	..	..
..	..	..	..	48	48	..	..	..
..	..	..	..	48	48	..	..	..
..	..	..	..	47	47	..	..	..
8	8	..	..	52	71	47	..	8
9	9	..	..	56	95	43	..	7
9	9	..	..	53	78	47	..	6
9	9	..	..	43	62	40	..	8
..	..	..	..	37	34	51	..	14
..	..	..	..	41	35	67	..	14
..	..	..	..	38	34	54	..	14
..	..	..	..	38	36	50	..	15
..	..	..	..	39	39	..	..	..
..	..	..	..	39	39	..	..	..
..	..	..	..	38	38	..	..	..
..	..	..	..	37	37	..	..	..
..	..	..	..	42	46	..	..	..
..	..	..	..	46	50	..	..	..
..	..	..	..	46	50	..	..	..
..	..	..	..	46	50	..	..	..
..	..	..	..	74	74	..	..	..
..	..	..	..	75	75	..	..	..
..	..	..	..	75	75	..	..	..
..	..	..	..	75	75	..	..	..
..	..	..	..	25	25	..	..	12
..	..	..	..	24	25	..	..	15
..	..	..	..	23	23	..	..	15
..	..	..	..	23	24	..	..	15
..	..	..	..	40	40	..	..	..
..	..	..	..	43	43	..	..	..
..	..	..	..	50	50	..	..	..
..	..	..	..	51	51	..	..	..
..	..	..	..	45	44	59	..	15
..	..	..	..	49	54	39	..	16
..	..	..	..	52	56	55	..	14
..	..	..	..	52	55	59	..	18
59	61	46	23	53	49	52	..	64
63	65	46	23	53	45	54	..	69
59	60	46	23	52	40	55	..	68
62	65	46	24	53	51	50	..	70
..	..	..	..	34	34	..	..	..
..	..	..	..	34	34	..	..	..
..	..	..	..	34	34	..	..	..
..	..	..	..	34	34	..	..	..
..	..	..	..	77	77	..	..	..
..	..	..	..	77	77	..	..	..
..	..	..	..	77	77	..	..	..
..	..	..	..	77	77	..	..	..
34	34	..	..	22	22	21	..	..
34	34	..	..	21	21	21	..	..
34	34	..	..	20	20	21	..	..
34	34	..	..	20	20	21	..	..

Table 31**Utilization of installed electricity capacity - by type**

Kilowatt-hours per kilowatt divided by 8760

Country or area	Year	Total producers						
		Total	Combustible fuels	Hydro	Nuclear	Wind	Solar	Other
Papua New Guinea	2009	57	66	41	..	..	..	..
	2010	57	64	44	..	..	..	..
	2011	58	66	44	..	..	..	..
	2012	58	66	44	..	..	..	..
Samoa	2009	31	29	37	..	..	..	..
	2010	32	27	45	..	..	..	..
	2011	31	30	33	..	..	..	..
	2012	32	31	35	..	..	..	..
Solomon Islands	2009	27	27	..	..	..	..	..
	2010	28	28	..	..	..	..	..
	2011	26	26	..	..	..	..	..
	2012	26	26	..	..	..	..	..
Tonga	2009	52	52	..	..	..	..	..
	2010	43	43	..	..	..	..	..
	2011	43	43	..	..	..	..	..
	2012	43	43	..	..	..	..	..
Tuvalu	2009	26	26	..	..	..	..	..
	2010	26	26	..	..	..	..	..
	2011	27	27	..	..	..	..	..
	2012	27	27	..	..	..	..	..
Vanuatu	2009	28	26	70	..	26	..	..
	2010	27	25	76	..	20	..	..
	2011	25	24	54	..	19	..	..
	2012	24	24	69	..	11	..	..
Wallis and Futuna Is.	2009	25	25	..	..	..	..	..
	2010	20	20	..	..	..	..	..
	2011	20	20	..	..	..	..	..
	2012	19	20	..	..	..	..	..

Table 31

Utilization of installed electricity capacity - by type

Kilowatt-hours per kilowatt divided by 8760

Total	Autoproducers			Main activity producers				
	Combustible fuels	Hydro	Other	Total	Combustible fuels	Hydro	Nuclear	Other
74	79	55	..	32	29	35	..	..
67	75	42	..	40	32	46	..	..
70	79	42	..	40	32	46	..	..
70	79	42	..	40	32	46	..	..
23	23	..	..	32	29	37	..	..
23	23	..	..	33	27	45	..	..
23	23	..	..	32	31	33	..	..
23	23	..	..	33	32	35	..	..
18	18	..	..	28	28	..	..	..
19	19	..	..	29	29	..	..	..
18	18	..	..	27	28	..	..	..
18	18	..	..	28	28	..	..	..
..	..	..	..	52	52	..	..	..
..	..	..	..	43	43	..	..	..
..	..	..	..	43	43	..	..	..
..	..	..	..	43	43	..	..	..
..	..	..	..	26	26	..	..	..
..	..	..	..	26	26	..	..	..
..	..	..	..	27	27	..	..	..
..	..	..	..	27	27	..	..	..
..	..	..	..	28	26	70	..	26
..	..	..	..	27	25	76	..	20
..	..	..	..	25	24	54	..	18
..	..	..	..	24	24	69	..	11
..	..	..	..	25	25	..	..	..
..	..	..	..	20	20	..	..	..
..	..	..	..	20	20	..	..	..
..	..	..	..	19	20	..	..	..